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REPORTS

AGRICULTURE • ECONOMICS

from USDA's Economics Agencies

Spring 1991

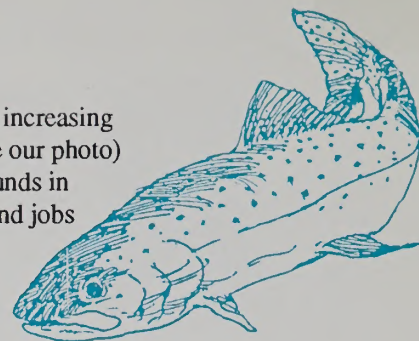


About our cover

Aquaculture is one of the fastest growing agricultural industries in the United States, increasing more than 20 percent annually during the 1980s. Farm-raised catfish production (see our photo) grew rapidly over the last decade, from 61 million pounds in 1981 to 360 million pounds in 1990. This growing industry has provided an alternative product for many farmers and jobs in both the growing and processing sectors.

Two NASS production reports, *Catfish* and *Trout Production*, look at sales and production in these industries. See page 21 for details.

ERS' *Aquaculture Situation and Outlook* covers current intelligence on this expanding industry. See page 16. An ERS monograph, *Alternative Opportunities in Agriculture: Expanding Output Through Diversification*, examines opportunities in aquaculture and other new crops and products. See page 8.



Who we are

This catalog lists recent monographs, periodicals, data products, and videotapes available from USDA's economics agencies. **Economic Research Service (ERS)** outlook and situation reports and periodicals analyze the current situation and forecast market conditions. ERS monographs offer economic analysis in the areas of trade, production, rural development, farm inputs, and other topics. **National Agricultural Statistics Service (NASS)** publications estimate production, stocks, inventories, disposition, utilization, and prices of agricultural commodities, and such other items as labor and farm numbers. The **World Agricultural Outlook Board (WAOB)** issues regular forecasts of U.S. and world supply and demand prospects for major agricultural commodities.

To subscribe to this quarterly catalog, please check the order form on page 17.

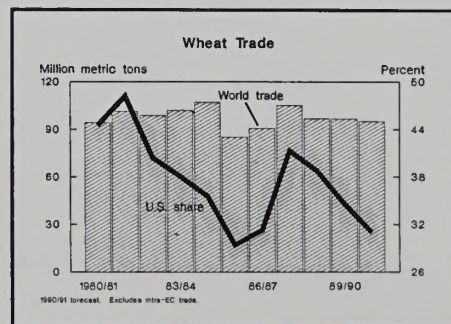
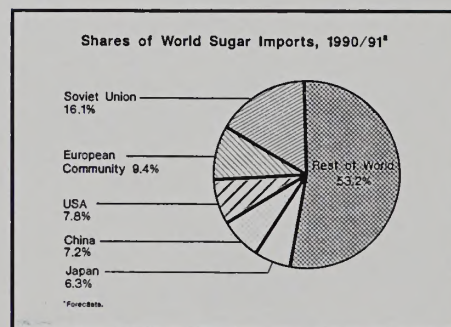
Useful information for today's decisionmakers

Outlook Conference Chartbook and Proceedings

Outlook '91 Chartbook. 109 pages. February 1991. Includes more than 200 selected charts and tables used by speakers at *Outlook '91*, a conference held at the U.S. Department of Agriculture in December 1990. All charts are suitable for reproduction. Topics include food grains, wheat, dairy, cotton and wool, aquaculture, fruits and tree nuts, vegetables, tobacco, oil crops, horticulture, farm finance, cattle, poultry, and sugar.
Order # AGES-9101. \$8.00.

Outlook '91 Proceedings. 798 pp. February 1991. Features all texts submitted by speakers and panelists at *Outlook '91*, including Secretary of Agriculture Clayton Yeutter's keynote address, "Agriculture in a World of Change."
Order # AGES-9102. \$20.00.

SAVE \$3! Order both of the above publications for just \$25.00. Call toll free 1-800-999-6779.



Explaining the New Farm Law

The 1990 Farm Act and the 1990 Budget Reconciliation Act:

How U.S. Farm Policy Mechanisms Will Work Under New Legislation

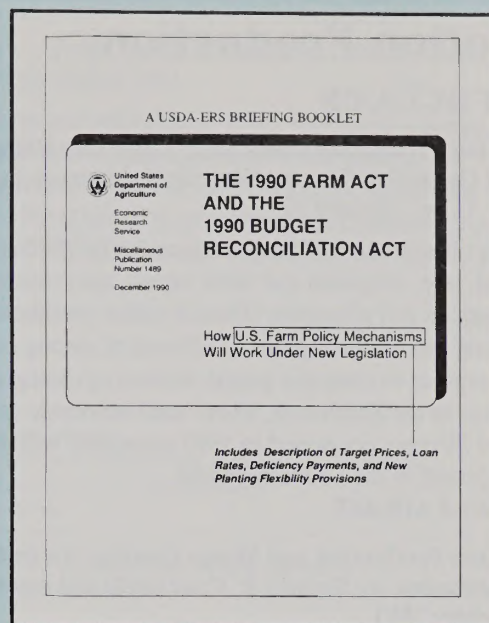
This popular booklet explains the main features of the new 5-year farm law in easy-to-follow pages of illustrative material. These "verbal graphics" act as a self-programmed instruction method, leading the reader from one point to the next. The booklet works in the same general way as an informal briefing that makes its points step-by-step with overhead transparencies. Its focus is on program commodities.

The booklet begins with an overview of the goals which motivated changes in farm legislation, accompanied by the most important mechanisms that support them.

Main goals		Basic Mechanisms
Reduce the Federal deficit →		Reduce payment acres
Improve agricultural competitiveness →		Permit planting flexibility; Maintain market-oriented loan rates
Enhance the environment →		Implement Agricultural Resources Conservation Program

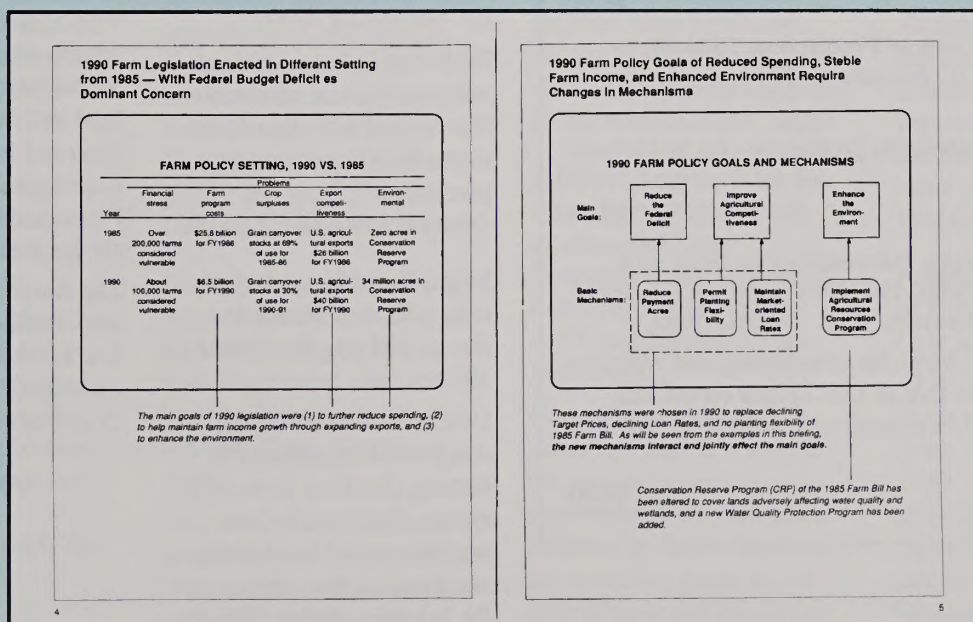
The booklet then proceeds with definitions and illustrations of basic mechanisms of farm policy for the next 5 years:

- Target Price
- Crop Acreage Base
- Payment Limitation
- Loan Rates
- Zero-92
- Deficiency Payments
- Farmer-Owned Reserve



Order your copy now

40 pp. December 1990. We offer a 25-percent discount when you order 25 or more copies to be sent to one address.
Order # MP-1489. \$8.00.



Cotton Production, Practices

Cotton Production Costs Vary Widely by Region, Yield, and Operation Size, by Kenneth H. Mathews, Jr. and others. 11 pp. January 1991.

Describes the cost of producing cotton in 1987 to see how yield, size, irrigation and other inputs, land tenure, and producer age and education affected cotton production costs among and within regions. Differences among cotton-growing regions in costs per pound showed advantages for producers in the Southwest, where total economic costs averaged 58 cents per pound in 1987 compared with 85 cents per pound in the Southern Plains.

Order # AIB-617. \$4.00.

Cotton Production and Water Quality: An Initial Assessment, by Stephen R. Crutchfield and others. 28 pp. February 1991.

Shows that current cotton practices potentially allow nitrates to leach into ground water and pesticides to drain into surface water. Cotton producers applied fertilizers to 82 percent of surveyed acreage in 1989, herbicides to 93 percent, and insecticides to 67 percent.

Order # AGES-9105. \$8.00.

Cotton Agricultural Chemical Use and Farming Practices in 1989: An Overview of Survey Results, by Stephen R. Crutchfield. 17 pp. December 1990.

Summarizes current cotton production practices regarding pesticide and fertilizer use, pest management practices, soil conservation and tillage practices, water use, and characteristics of cotton producers. Based on a 1989 USDA survey of cotton producers in 14 States.

Order # AGES-9076. \$4.00.

Cotton: State-Level Costs of Production, 1986-88, by Kenneth H. Mathews, Jr., and others. 27 pp. September 1990.

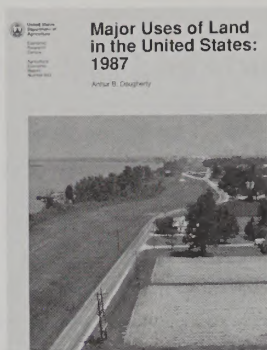
Presents State-level commodity production cost and returns estimates for 1986-88.

Order # AGES-9061. \$8.00.

Cotton Ginning Charges, Harvesting Practices, and Selected Marketing Costs, 1989/90 Season, by Edward H. Glade and Mae Dean Johnson. 4 pp. October 1989.

Finds that the average charge for saw-ginning and wrapping a 480-pound net-weight bale of U.S. upland cotton was \$44.26 during 1989/90, compared with \$45.14 per bale the previous season.

Order # AGES-9065. \$4.00.



Major Uses of Land in the United States: 1987, by Arthur B. Daugherty. 35 pp. January 1991.

Shows that 75 percent of U.S. land area in 1987 was in cropland, grassland pasture and range, and forest land. Land in nonagricultural and miscellaneous other uses, such as parks and wildlife refuges, increased by 3 percent since 1982.

Order # AER-643. \$8.00.

The data in this report are also available on diskette. See Major Land Uses, #89003, on page 10 of this catalog.

U.S. Farm Programs and Agricultural Resources, by Robin Shoemaker and others. 12 pp. September 1990.

Finds that U.S. agricultural programs have a greater effect on land and other farm inputs than on commodity production.

Order # AIB-614. \$4.00.

Seven Farm Input Industries, edited by Joseph R. Barse. 125 pp. September 1990.

Describes seven industries that provide resources for farming (fertilizer, pesticides, energy, feed, credit, farm machinery, and hired labor) and explains the situation of the industries during 1966-86.

Order # AER-635. \$11.00.

Farm Businesses End the Decade With Strong Financial Performance, by Mitchell J. Morehart and others. 21 pp. October 1990.

Presents the latest (as of January 1, 1990) findings on the financial performance of U.S. farms.

Order # AIB-616. \$8.00.



Cash Rents for Farms, Cropland, and Pasture, 1960-89, by John Jones and Roger Hexem. 43 pp. October 1990.

This bulletin reports State-average cash rents for whole farms, cropland, and pasture and cash rents as percentages of rented land values during 1960-89. Cash rents, which reflect the economic returns attributable to land, are highest for irrigated cropland in California and Arizona and lowest for large nonirrigated areas of the Plains and Western States.

Order # SB-813. \$8.00.

The data in this report are also available on diskette. See Cash Rents for U.S. Farmland, #90025, on page 11 of this catalog.

Crops, Livestock, and Farm Programs: Overlooked Interactions, by Clark Edwards. 64 pp. September 1990.

Examines how shifts in consumer and importer demand, resource supply, technology, capital accumulation, or farm programs affect different enterprises in ways often not anticipated by economic analysis.

Order # AER-638. \$11.00.

State Laws Relating to the Ownership of U.S. Land by Aliens and Business Entities, December 31, 1989, by J. David Aiken. 88 pp. March 1991.

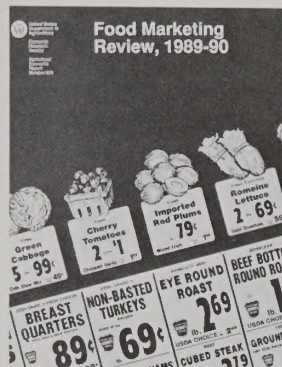
A guide for persons interested in determining the way that State laws may affect alien or business-entity ownership of U.S. land. Twenty-eight States have some type of law restricting alien ownership of land. This report summarizes the pertinent legislation of each State.

Order # AGES-9111. \$11.00.

Chronological Landmarks in American Agriculture, by Maryanna S. Smith, and Dennis M. Roth. 106 pp. November 1990.

Lists major events in the history of U.S. agriculture, including key inventions, laws, changes in land policies, individual contributions, institutional developments, and the introduction of new types of crops and livestock. This edition is an update of a publication last printed in 1980.

Order # AIB-425. \$11.00.



Food Marketing Review, 1989-90. 126 pp. November 1990.

Examines developments in the food marketing system, encompassing all firms servicing the U.S. food supply such as manufacturing, wholesaling, and retailing. Sales rose to an estimated \$694 billion. Aggregate liabilities of the Nation's food processors and retailers rose by nearly \$70 billion.

Order # AER-639. \$11.00.

U.S. Egg and Poultry Statistical Series, 1960-89, by Mark R. Weimar and Shauna Cromer. 234 pp. September 1990.

Reports monthly, quarterly, and annual 1960-89 data for eggs, turkeys, and broilers. Data cover production, stocks, trade, per capita consumption, costs of production, farm prices, wholesale prices, and retail prices.

Order # SB-816. \$14.00.

Bibliography of Economic Reports on the Production and Marketing of Fruits and Vegetables, 1981-89, by Joan Pearrow and Nadine Loftin. 71 pp. September 1990.

Lists research publications published from January 1981 to June 1989 that discuss the economics of fruits and vegetables.

Order # BLA-102. \$11.00.

Food Costs . . . From Farm to Retail in 1990, by Denis Dunham. 12 pp. March 1991.

This annual report looks at how much food costs change, and how much of the consumer food dollar goes to the farmer. Retail food prices in 1990 averaged 5.8 percent above 1989. Food prices in grocery stores climbed 6.5 percent in 1990, but prices for restaurant meals rose by 4.7 percent.

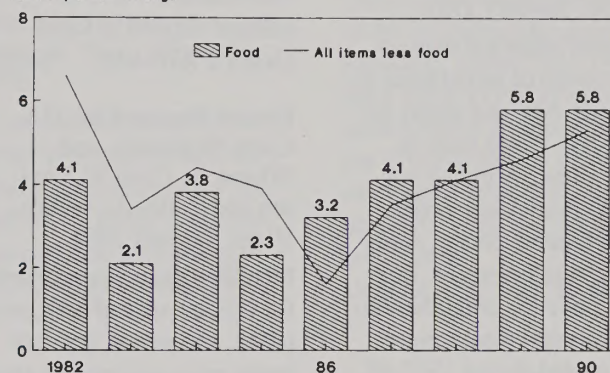
Order # AIB-619.

\$4.00.

Consumer price indexes

Food lagged nonfood items in the first half of the 1980's, but after that it overtook nonfood items.

Annual percent change



Peanuts: State-Level Costs of Production, 1986-88, by Robert Dismukes and others. 24 pp. September 1990.

Presents State-level commodity production cost and returns estimates for 1986-88.

Order # AGES-9063. \$8.00.

A Direct Approach for Estimating Nitrogen, Phosphorus, and Land

Demands at the Regional Level, by Harry Vroomen and Bruce Larson. 17 pp. March 1991.

Finds that estimates of fertilizer and land demands in the Corn Belt reveal profit-maximizing input elasticities of demand. Such elasticities are needed to assess the effects of potential regulatory policies on input use.

Order # TB-1786. \$8.00.

U.S. Food Spending and Income: Changes Through the Years, by Alden Manchester. 19 pp. January 1991.

Explores relationships that have contributed to increases in U.S. food spending over the years and the decline in food spending's share of personal income.

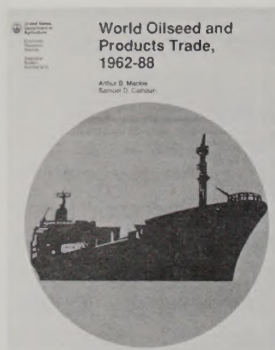
Order # AIB-618. \$4.00.

Estimating Entry and Exit of U.S. Farms, by Fred Gale and David Henderson. 16 pp. March 1991.

Finds that the number of farms declined during the 1980's mostly because of fewer people starting farms rather than an increase in the rate of operators leaving farming.

Order # AGES-9119. \$4.00.

More Recent Research from ERS



World Oilseed and Products Trade, 1962-88, by Arthur B. Mackie and Samuel D. Calhoun. 130 pp. January 1991.

Presents historical data on the volume of world trade in oilseeds, oils, and meals for 1962-88. World trade in these items, including soybeans, groundnuts, copra, palm, linseed, cotton, castor beans, sunflowerseed, rapeseed, olive oil, and other oilseed oils and meals, more than tripled during 1962-88. **Order # SB-819. \$11.00.**

The data in this report are also available on diskette. See World Agricultural Trade Flows, #91001, on page 10 of this catalog.

World Agriculture: Trends and Indicators, 1970-89. 552 pp. September 1990.

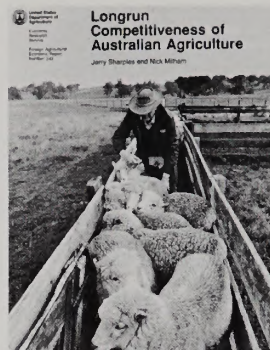
Statistics on aggregate economic and agricultural growth, performance, and trade indicators for the world, for 14 geographic regions, the European Community, and for 142 individual countries. Covers such topics as population, gross domestic product, consumption, factors of production, commodity production, trade, and resource use. **Order # SB-815. \$14.00.**

Developing Countries' High-Value Agricultural Trade: Implications for U.S. Exports, by Mary Burfisher and Margaret Missiaen. 14 pp. September 1990.

Finds that developing countries expanded their high-value product (HVP) exports to the United States during the 1980's, while remaining only minor markets for U.S. HVP exports. HVP exports now account for more than half of U.S. agricultural exports in value. **Order # AIB-615. \$4.00.**

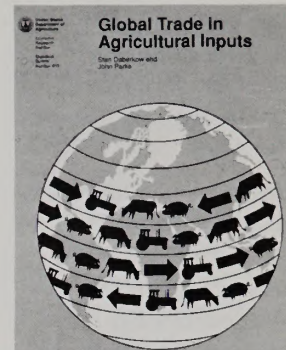
Export Demand for U.S. Corn, Soybeans, and Wheat, by Cecil W. Davison and Carlos A. Arnade. 30 pp. January 1991.

Identifies the major markets for U.S. exports of corn, soybeans, and wheat, and estimates price and income elasticities for those markets to broaden the understanding of factors that affect the demand for U.S. exports. **Order # TB-1784. \$8.00.**



Longrun Competitiveness of Australian Agriculture, by Jerry Sharples and Nick Milham. 23 pp. December 1990.

Identifies domestic factors that made Australian agriculture competitive since the 1950's and those most likely to determine its future competitiveness in global markets. Australian agricultural export volume more than doubled between the mid-1950's and the mid-1980's because of expanded public and private investment and improved production and marketing efficiency. **Order # FAER-243. \$8.00.**



Global Trade in Agricultural Inputs, by Stan Daberkow and John Parks. 88 pp. September 1990.

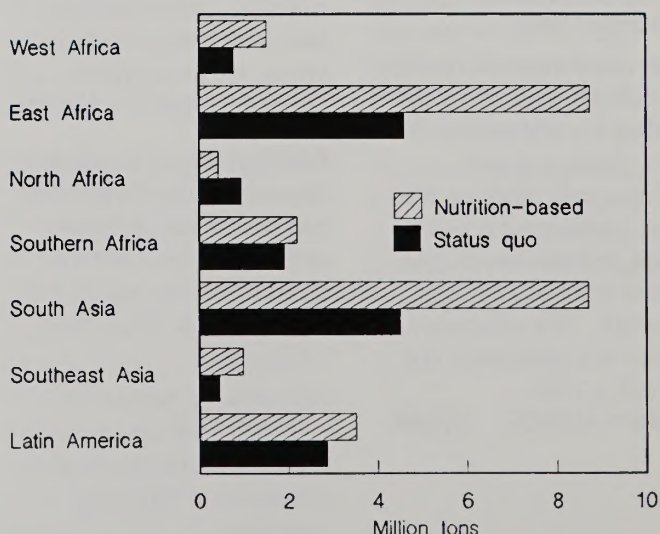
Gives historical perspective and statistics on the extent and direction of international trade in manufactured agricultural inputs and agricultural genetic materials. Includes U.S. agricultural input sources of imports and exports as well as world trade in these products. **Order # SB-812. \$11.00.**

Global Food Assessment. 64 pp. November 1990.

Assesses both short-term (2 years), and longer term issues affecting food aid needs. Contains estimates for 1990/91 and 1991/92 for 55 developing countries based on USDA data as of September 12, 1990, and data from other sources. Also includes case study analyses of factors affecting longer term needs in India, Kenya, and Morocco.

Order # GFA-1. \$11.00.

Estimated Food Aid Needs, 1990/91



Political Leaders as Entrepreneurs? Economic Development in Small Communities, by Alvin D. Sokolow and Julie Spezia. 33 pp. October 1990.

Reviews 17 successful cases of smalltown development. The cases compare project initiators and their actions, and suggest several critical differences between local political leadership and entrepreneurship.

Order # RDRR-77. \$8.00.

Targeting Aid to Distressed Rural Areas: Indicators of Fiscal and Community Well-Being, by Richard J. Reeder. 54 pp. November 1990.

Finds that commonly used indicators of fiscal and community well-being, such as unemployment, tax effort, and population size, disproportionately favor urban areas over rural ones. Use of fiscal capacity indicators, such as per capita income, would keep program costs down by targeting aid to rural areas that cannot afford to help themselves.

Order # AGES-9067. \$11.00.

Economic Well-Being and Household Size: Alternative Ways of Analyzing Demographic Information on Households, by James R. Blaylock and William N. Blisard. 8 pp. November 1990.

Explores procedures for adjusting household income to compare welfare across different-size households. Demonstrates that the demographic characteristics (such as age, race, sex) of the poorest and richest households can vary greatly with the type of adjustment method selected.

Order # AER-640. \$4.00.

Status of the Nonmetro Labor Force, 1987, by Alan R. Bird. 26 pp. September 1990.

Develops indicators of labor market conditions and uses them to show that nonmetro workers faced generally more unfavorable employment conditions than metro workers in 1987.

Order # RDRR-79. \$8.00.

The Role of the Elderly's Income in Rural Development, by Robert A. Hoppe. 23 pp. January 1991.

Examines the elderly's sources of income that could form an economic base for rural development. Finds that income of the elderly can help stabilize local economies and even create jobs.

Order # RDRR-80. \$8.00.

Helping Those Who Venture: Iowa's Rural Economic Development Measures, by Don F. Hadwiger. 38 pp. September 1990.

Finds that a quarter of Iowa's State budget encompasses measures aimed at rural development.

Order # AGES-9047. \$8.00.

Foreign Agricultural Trade of the United States, Calendar Year 1989: Supplementary Tables, by Mary L. Fant. 296 pp. March 1991.

Presents statistical summaries of U.S. foreign trade in agricultural products by country during calendar years 1988 and 1989.

Shows exports and imports valued at more than \$1 million.

Order # AGES-9112. 14.00.

Agriculture-Related Employment: Farm Commodity Programs and Rural Economies, by Mindy Petrulis and others. 16 pp. September 1990.

Describes the modern food and fiber complex and government commodity programs and how they affect nonmetro economies and employment.

Order # AIB-613. \$4.00.

Metro/Nonmetro Program Performance Under Title II-A, Job Training Partnership Act, by John M. Redman. 30 pp. December 1990.

Compares metro and non-metro program performance during program years 1986 and 1987. Better than average program performance and lower unit costs were

more likely to be found in training programs in non-metro or predominantly non-metro areas than in metro or predominantly metro areas.

Order # AGES-9072. \$8.00.

Metro/Nonmetro Funding Allocation Under Title II-A, Job Training Partnership Act, by John M. Redman. 26 pp. November 1990.

The Job Training Partnership Act's (JTPA) Title II program is the main Federal effort to improve employability of the economically disadvantaged. During July 1987-June 1988, JTPA allocations meant higher expenditures per disadvantaged person in more rural areas because of unusually high unemployment rates.

Order # AGES-9071. \$8.00.

Strategy for Rural Development

The following reports assess the effectiveness of selected strategies that governments can use to stimulate rural economic development in the 1990's.

Infrastructure Investment and Economic Development: Rural Strategies for the 1990's. 81 pp. December 1990.

Explores the effects of investing in transportation, telecommunications, and water and wastewater infrastructure to improve rural economies. Although skeptical about whether such investments directly stimulate rural economic development, the authors suggest that certain carefully selected infrastructure investments may pay off when those investments are made in places with other prerequisites for development.

Order # AGES-9069.

\$11.00.

Financial Market Intervention as a Rural Development Strategy. 93 pp. December 1990.

Describes and assesses the effectiveness of the financial system currently serving rural America. It also looks closely at the reasons Federal and State Governments are heavily involved in the operations of financial institutions and markets.

Order # AGES-9070.

\$11.00.

More of the Latest Research from ERS

The Rapid Rise in State Per Capita Income Inequality in the 1980's: Sources and Prospects, by Thomas D. Rowley, John M. Redman, and John Angle. 21 pp. January 1991.

Finds that State per capita incomes diverged beginning in 1979, reversing a 50-year trend. By 1989, State per capita income inequality, as measured by the coefficient of variation, had increased 41 percent from 1979 to its highest level in over 20 years. Order # AGES-9104. \$8.00.

Correcting for Non-response in Transition Matrices Calculated from Longitudinal Data, by R. Neal Peterson and Fred Gale. 12 pp. March 1991.

Reports on a method that logically corrects for non-response in transition matrices that are calculated from longitudinal data. Order # AGES-9113. \$4.00.

Apple Import Demand: Four Markets for U.S. Fresh Apples, by Amy L. Sparks, James L. Seale, Jr., and Boyd M. Buxton. 15 pp. December 1990.

Gives the results of an econometric analysis of four U.S. overseas apple markets and explores competition in Canada, Hong Kong, Singapore, and the United Kingdom. Finds that U.S. apple exports will increase to Canada, Hong Kong, Singapore, and the United Kingdom, although market share will either increase just slightly or remain steady. Order # AER-641. \$8.00.

Floriculture and Environmental Horticulture Products: A Production and Marketing Statistical Review, 1960-88, by Doyle C. Johnson. 245 pp. September 1990.

Provides statistical information on the production, marketing, and trade of floral, nursery, and related products of the greenhouse and nursery industry in the United States and the world. Order # SB-817. \$14.00.

An Economic Assessment of the Freeze on Program Yields, by Thomas W. Hertel, Marinos E. Tsigas, and Paul V. Preckel. 26 pp. December 1990.

Finds that the freeze on program payment yields introduced in the Food Security Act of 1985 apparently reduced the use of variable inputs in wheat production while raising market prices and net returns. Order # AGES-9066. \$8.00.

The Mexican Wheat Market and Trade Prospects, by Myles J. Mielke. 36 pp. September 1990.

Analyzes and projects Mexican wheat supply and demand conditions in a liberalizing policy environment. Order # AGES-9052. \$8.00.

U.S. Milk Markets Under Alternative Federal Order Pricing Policies, by Howard McDowell, Ann Fleming, and Felix Spinelli. 31 pp. November 1990.

Compares U.S. milk markets under 1988 provisions against three alternative policies using an interregional trade model comprising 15 regions. Order # AGES-9068. \$8.00.

Choice Beef Prices and Price Spreads Series: Methodology and Revisions, by T. Fred White, Lawrence A. Duewer, John Ginzel, Robert Bohall, and Terry Crawford. 52 pp. February 1991.

Presents a revised ERS methodology for calculating Choice retail, wholesale, and live beef values and the resulting series of price spreads. Order # AGES-9106. \$8.00.

China's Interprovincial Grain Marketing and Import Demand, by Nicholas R. Lardy. 41 pp. September 1990.

Explores the possibility that China's grain import demand is a function of state policy on interprovincial grain marketing. Order # AGES-9059. \$8.00.

Integrated Pest Management (IPM) in the Vegetable Industry During the 1980's, by Catherine R. Greene and Gerrit W. Cuperus. 19 pp. February 1991.

Examines the funding and adoption of IPM programs for vegetable crops, using statistics based on annual State-level Extension Service reports. Order # AGES-9107. \$8.00.

Storage Subsidy Programs. 47 pp. December 1990.

Compares expected results of generic single-year storage subsidy programs versus no storage subsidy programs and the current Farmer-Owned Reserve (FOR). A single-year program would probably raise stocks above the no-program option, but stocks would probably be lower than under the FOR. Order # AGES-9075. \$8.00.

Alternative Opportunities in Agriculture: Expanding Output Diversification, by Michael R. Dicks and Katharine C. Buckley. 28 pp. May 1990.

Finds that developing new crops or products could raise farm income and reduce government subsidies, the trade deficit, and the potentially adverse environmental effects of farm production. Looks at aquaculture, specialty commodities, and floriculture and environmental agriculture. Order # AER-633. \$8.00.

Risk Aversion Through Nontraditional Export Promotion Programs in Central America, by Carlos Arnade and David Lee. 19 pp. December 1990.

Discusses the growing importance of policies by Central American countries which promote nontraditional agricultural exports, such as avocados, broccoli, cantaloupes, cauliflower, cucumbers, limes, peppers, and strawberries. Order # AGES-9074. \$8.00.

The Political Economy of Agricultural Trade: A Review of the Literature on Domestic Policy Behavior and International Price Formation, by Linda Young, Mary Marchant, and Alex McCalla. 73 pp. January 1991.

Reviews literature on political economy as related to agricultural trade. This literature is characterized by a wide variety of models and quantitative techniques. Order # AGES-9103. \$11.00.

ERS-NASS Video Tapes

ERS: Economic Research for American Agriculture.

A historical account of the role of economic research in the success of American agriculture.

16-1/2 minutes. VHS.

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Today and Tomorrow. The U.S. Department of Agriculture's Outlook program analyzes the current situation for U.S. and world crops, and provides a forecast of future supplies and prices. *Today and Tomorrow* is an overview of the USDA Outlook program from its beginning in the 1920's to the current comprehensive program of research and analysis. 23 minutes. VHS.

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The Need to Know. Begins with a futuristic "what if?" opening, and then proceeds to outline the history, significance, and contributions of agricultural statistics and USDA's National Agricultural Statistics Service. 23 minutes. VHS.

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\$15.00.

Your Hometown. Takes an informative and entertaining look at smalltown rural America. Originally seen on public television stations nationwide, and narrated by James Whitmore, the program focuses on three rural communities where citizens use innovative thinking and teamwork to revitalize their own towns.

1 hour. VHS.

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\$15.00.



Alternative Agriculture: Growing Concerns. Can U.S. farmers produce at a profit while practicing low-input, sustainable agriculture (LISA)? *Growing Concerns* investigates the benefits and drawbacks of LISA. An excellent overview, this documentary was originally seen as a five-part series on national television. 19 minutes. VHS.

Order # VT005.

\$15.00.

Ethanol: Economic and Policy Tradeoffs. Reviews the history of ethanol production and the make-up of the current ethanol industry, and investigates how ethanol can contribute to national goals. This educational program establishes an information base for making educated decisions concerning the ethanol industry. 25 minutes. VHS.

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New Electronic Data Products

ERS offers a series of computerized data products covering important elements of today's agribusiness here and abroad. Data products are shipped on DOS-compatible diskettes, or on unlabeled, 9-track, 6250 b.p.i. magnetic tapes, as appropriate. For more information on a new data product, call the contact name listed with each description. Use the order form on page 17, or call the ERS-NASS order desk at 1-800-999-6779.

U.S./Pacific Rim Agricultural Trade. Annual data, 1968-89, for U.S. agricultural exports to and imports from Japan, Taiwan, South Korea, Hong Kong, New Zealand, Australia, and Canada. Data cover quantity and value for trade in major commodity groups and subgroups. Fiscal year and calendar year data are included. Carol Goodloe 202-219-0610. [Lotus 1-2-3 (Release 2), three 5.25" disks], (9/90).
Order # 90007 \$45

China: Basic Social and Economic Indicators. Population, labor force, land use, and national income statistics by region and province, 1979-88. W. Hunter Colby, 202-219-0626. [Lotus 1-2-3 (Release 2), one 5.25" disk], (1/91).
Order #90010 \$25

China: Grain Statistics. A comprehensive database of national, regional, and provincial statistics covering wheat, rice, and coarse grain area, production, and procurement. National data are reported for 1949-88 and most regional and provincial data cover 1979-88. W. Hunter Colby, 202-219-0626. [Lotus 1-2-3 (Release 2), two 5.25" disks], (9/90).
Order # 90011 \$35

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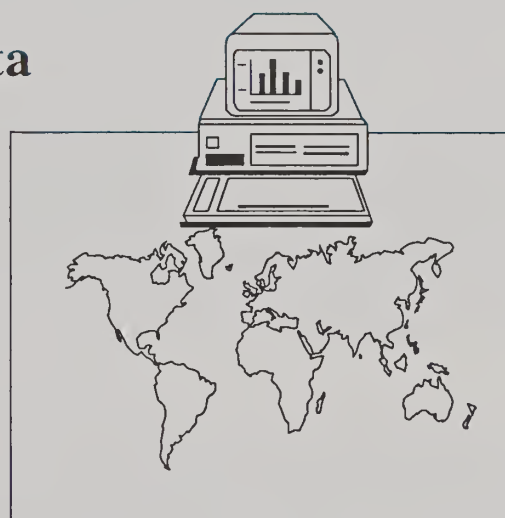
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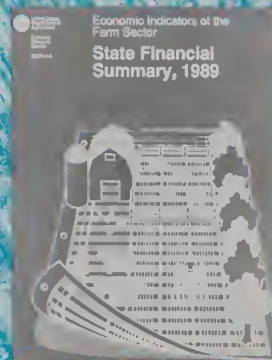
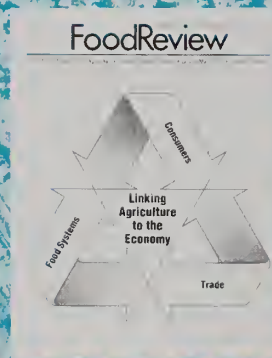
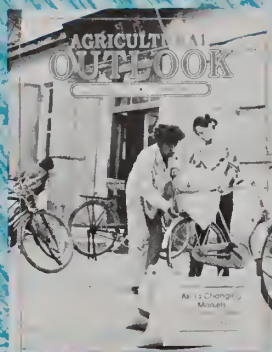
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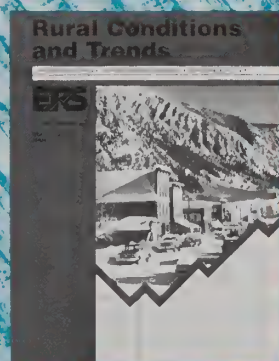
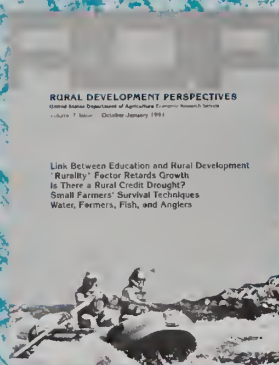
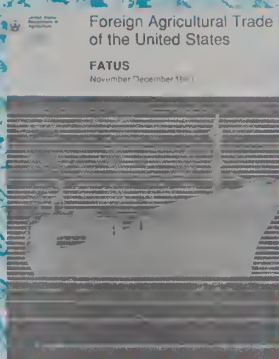
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(b) 3,787 (d) 12,055
2. Which group dines out most often?
(a) 14-24 year olds (c) 45-64 year olds
(b) 25-44 year olds (d) 65 years old and older
3. Do you know the largest market for U.S. exports of processed food?
(a) Canada (c) The Netherlands
(b) Japan (d) Mexico
4. Let's check your knowledge of the many "new" foods available these days. Do you know what *surimi* is?
(a) A type of cabbage (c) A fat substitute
(b) A fish product (d) An artificial sweetener
5. What food showed the largest percentage gain in consumption over the past 20 years?
(a) Yogurt (c) Fresh broccoli
(b) Low-calorie sweeteners (d) Lowfat milk

Ready to tally your score?

-
1. The correct answer is (d) 12,055, but an estimated 90 to 99 percent of new food products fail.
 2. The correct answer is (b) 25-44 year olds.
 3. Exports of processed food to (b) Japan totaled \$5.4 billion in 1989, followed by \$1.5 billion to Canada.
 4. Surimi is a minced (b) fish product used in products that simulate crab, shrimp, and other popular seafoods.
 5. The correct answer is (c) fresh broccoli, which rose 940 percent to 3.5 pounds per person a year by 1986-88.

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Agricultural Prices. Prices received by farmers for principal crops; live-stock and livestock products; index numbers of prices received by farmers; feed price ratios; index of prices paid by farmers and parity prices. 12 issues. Order # PAP. 1 yr, \$24; 2 yrs, \$47; 3 yrs, \$70.

Agricultural Prices Annual Summary. Summary of indexes of prices received and paid by farmers; prices for farm commodities and prices paid for production items, by State. Annual, June. Order # ZAP. \$1 yr, \$8; 2 yrs, \$15; 3 yrs, \$22.

Crop Values. Season average prices and value of production of principal crops, including revised data for previous year. Note: State estimates for fruits and nuts included in *Noncitrus Fruits and Nuts Annual*. Annual, January. Order # ZCV. 1 yr, \$6; 2 yrs, \$11; 3 yrs, \$16.

New NASS Periodicals Highlight Broilers, Farm Chemical Use

Broiler Hatchery. This weekly report shows the number of broiler chicks placed and broiler-type eggs set in incubators during the previous week in the 15 major broiler-producing States. Released every Wednesday unless a holiday falls on Tuesday or Wednesday; then, it is released the next business day. Order # PBH. 1 yr, \$35; 2 yrs, \$69; 3 yrs, \$103.

Agricultural Chemical Usage. 2 issues annually. *Field Crops*, released March 20, shows chemical application rates and acres treated, by State and the United States, for corn, cotton, potatoes, rice, soybeans, and wheat. *Vegetables*, released June 25, shows chemical application rates and acres treated for vegetables in Arizona, California, Florida, Michigan, and Texas. Order # PCU. 1 yr, \$9; 2 yrs, \$17; 3 yrs, \$25.



Farm Production Expenditures. Results of the farm production expenditure survey, by production region and economic class. 2 issues. Order #PFP. 1 yr, \$12; 2 yrs, \$23; 3 yrs, \$34.

Prices Received, Minnesota-Wisconsin Manufacturing Grade Milk. Minnesota-Wisconsin grade milk price series and final two-State estimates. Annual, June. Order #ZPR. 1 yr, \$5; 2 yrs, \$9; 3 yrs, \$13.

Other Series

Agricultural Chemical Usage. NEW. 2 issues annually. *Field Crops*, March 20, shows chemical application rates and acres treated, by State and the United States, for corn, cotton, potatoes, rice, soybeans, and wheat. *Vegetables*, June 25, shows chemical application rates and acres treated for vegetables in Arizona, California, Florida, Michigan, and Texas. Order #PCU. 1 yr, \$9; 2 yrs, \$17; 3 yrs, \$25.

Capacity of Refrigerated Warehouses. Number of firms and capacity for national, State, and city totals, by public and private for general and apple storage. Note: *Issued in February in even years only*. Order #ZCW. 1 yr, \$6; 2 yrs, \$11; 3 yrs, \$16.

Catfish. Processors' monthly reports on farm-raised catfish. Roundweight purchased, prices paid, inventory, quantity sold, and price. 12 issues plus 2 issues of *Catfish Production* (includes

grower inventory numbers by size groups, and some sales and cost of production data). Order #PCF. 1 yr, \$15; 2 yrs, \$29; 3 yrs, \$43.

Cold Storage. End-of-month stocks of meat, dairy and poultry products, fruits, nuts, and vegetables. 12 issues plus summary. Order #PCS. 1 yr, \$20; 2 yrs, \$39; 3 yrs, \$58.

Farm Numbers and Land in Farms. Number of farms in operation, and average size (acreage) of farms, individual States and U.S. totals. Sales class estimates for number of farms, land in farms, and average size of farms for U.S. and selected States. Annual, July. Order #ZFL. 1 yr, \$5; 2 yrs, \$9; 3 yrs, \$13.

Farm Labor. Regional and national data for unpaid, hired, and self-employed workers and wage rates. Annual average wage rates for hired workers are published in November. 12 issues. Order #PFL. 1 yr, \$11; 2 yrs, \$21; 3 yrs, \$31.

Floriculture Crops. Area of production and sales of cut flowers, flowering potted plants, foliage, bedding/garden plants, cut cultivated greens, and special Hawaiian crops. Annual, April. Order #ZFC. 1 yr, \$8; 2 yrs, \$15; 3 yrs, \$22.

Honey. Annual report of number of colonies of bees, honey production, price, and value, and honey stocks as of December 15, by State. Annual, February. Order #ZHO. 1 yr, \$5; 2 yrs, \$9; 3 yrs, \$13.

Mink. Number of mink pelts produced during the marketing year, number of females bred to produce pelts, number of mink farms, average marketing price per pelt, and value of pelts produced. Annual, July. Order #ZMI. 1 yr, \$5; 2 yrs, \$9; 3 yrs, \$13.

Mushrooms. Area, production, price, and value, by variety, all producing States, utilization, and intentions for coming year. Annual, August. Order #ZMU. 1 yr, \$6; 2 yrs, \$11; 3 yrs, \$16.

Sugar Market Statistics. Supply, distribution, and stocks of cane and beet sugar. 4 issues. Order #PSM. 1 yr, \$11; 2 yrs, \$21; 3 yrs, \$31.

Trout Production. Grower sales and cost of production for selected States. Annual, September. Order #ZTP. 1 yr, \$5; 2 yrs, \$9; 3 yrs, \$13.



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